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CHECKED <i>[Signature]</i>	APPROVED <i>[Signature]</i>	DRAWING NO. DSI 9379	REV. B SHEET 1 OF 5
DATE 07.11.26		TITLE CARGO MIRROR UPGRADE KIT	SCALE NTS
A	07.07.10	NEW ISSUE	
B	07.11.26	MS21919WDG7 WAS MS21929WDG7	

## DART SERVICE INSTRUCTION

TO AMEND INSTALLATION INSTRUCTIONS D350-561 REV. C

REF. CANADIAN STC: SH91-20 ISSUE 2

REF. FAA STC: SH856NE

To reduce vibration, Dart has developed the D350-561-141/-143 Mirror Installations to replace the D350-561-041/-043 Mirror Installations. For customers with D350-561-041/-043 Mirror Installations at CHG 005 or earlier who would like to upgrade their installation, the DSI 9379-011 Upgrade Kit can be obtained from Dart. The components for DSI 9379-011 Kit are as defined in Section 1.0 below.

Customers upgrading their installation from D350-561-041/-043 to D350-561-141/-143 should follow instructions given in Figures 1 through 5 of DSI 9379 and refer to Installation Instructions D350-561 Rev. C as applicable.

Customers who are installing a D350-561-141/-143, should refer to Figures 2 through 5 of DSI 9379 and refer to Installation Instructions D350-561 Rev. C as applicable.

### 1.0 PARTS LIST

Qty -141	Qty -143	Qty -045	Qty -011	Part Number	Description
X	1			D350-561-141	SINGLE MIRROR INSTALLATION (REPLACES -041)
	X			D350-561-143	DUAL MIRROR INSTALLATION (REPLACES -043)
	1	X		D350-561-045	MIRROR KIT
			X	DSI 9379-011	UPGRADE KIT
1		1		D2011-101	MIRROR
1				D2012-105	ARM
1				D2012-107	CLEVIS
1				D2012-111	BRACKET
		2		D2012-113	CLAMP
1				D2012-115	BRACKET
2				D2022-101	SPACER
1*		1*		D3014-1	LOCKNUT
1			1	D3629-1	BRACKET
1			1	D3635-1	GASKET
2			2	D3635-3	GASKET
1			1	D3646-1	ARM
1			1	D3646-3	ARM
3			3	AN3-4A	BOLT
2			2	AN3-5A	BOLT
1				AN3-6A	BOLT
1				AN4-5A	BOLT
1				AN4-10A	BOLT
12			10	AN960JD10	WASHER
4				AN960JD416	WASHER
1*		1*		AN960JD416L	WASHER
6			5	MS21042L3	NUT (OR MS21042-3)
2				MS21042L4	NUT (OR MS21042-4)
2			2	MS21919WDG7	CLAMP

\*INCLUDED AS PART OF D2011-101 MIRROR

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DAO # 01-O-01

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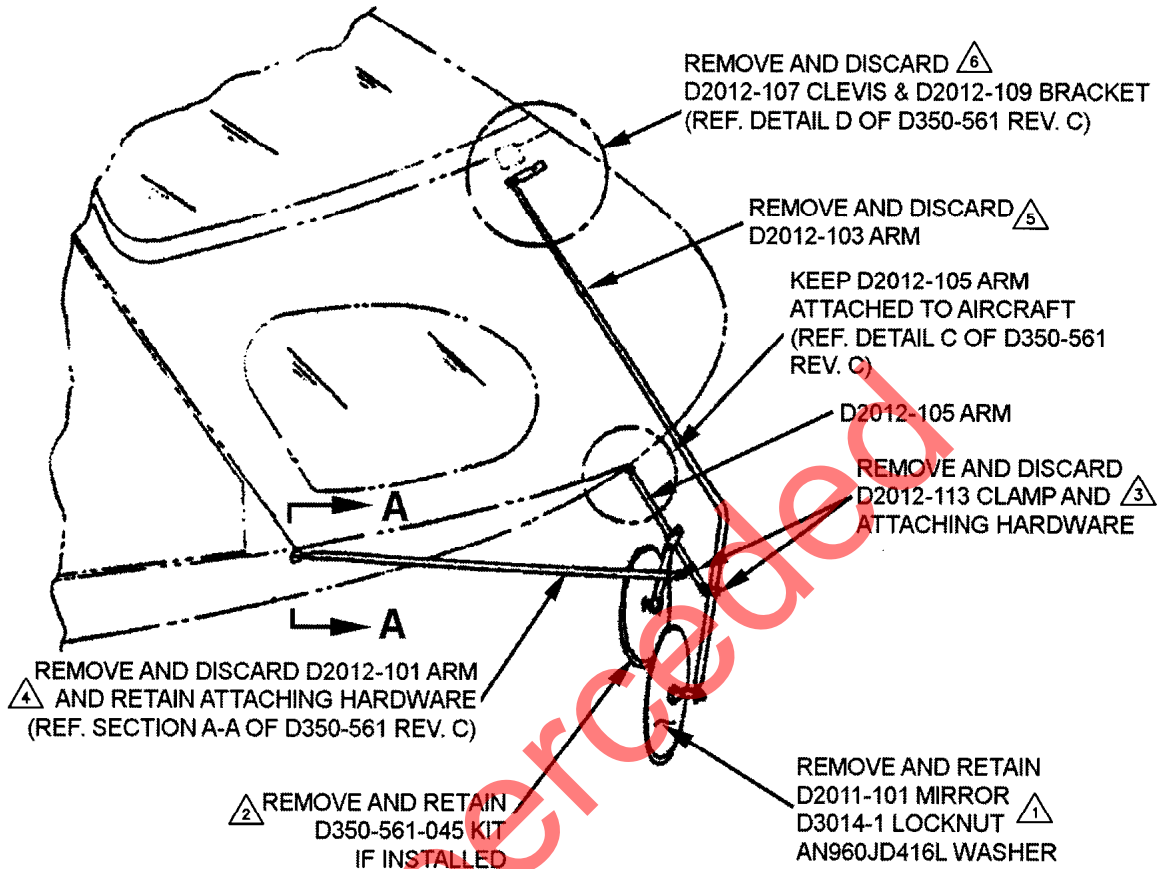
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DATE 07.11.26		TITLE CARGO MIRROR UPGRADE KIT	SCALE NTS



**FIGURE 1: REMOVAL OF D350-561-041/-043  
FOR CONVERSION TO D350-141/-143**

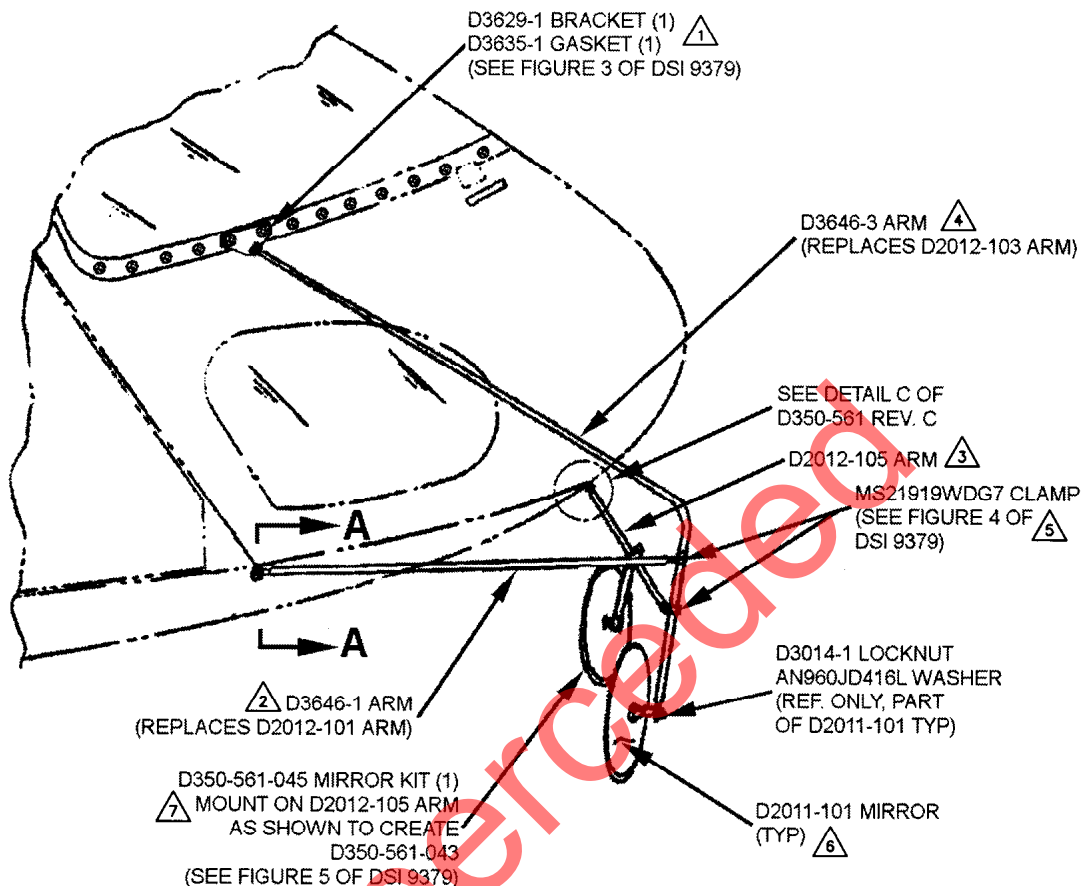
**2.0 REMOVAL (IF CONVERTING FROM -041/-043 TO -141/-143 USING  
DSI 9379-011)**

- 1) REMOVE AND RETAIN D2011-101 MIRROR AND ATTACHING FASTENERS.
- 2) REMOVE AND RETAIN D350-561-045 KIT.
- 3) REMOVE AND DISCARD D2012-113 CLAMPS AND ATTACHING HARDWARE (2 PLACES).
- 4) REMOVE AND DISCARD D2012-101 ARM. LEAVE D2012-115 BRACKET AND HARDWARE ATTACHED TO THE AIRCRAFT.
- 5) REMOVE AND DISCARD D2012-103 ARM.
- 6) REMOVE AND DISCARD D2012-107 CLEVIS. AT THE INSTALLER'S DISCRETION, THE D2012-109 BRACKET CAN BE REMOVED OR CAN REMAIN INSTALLED. WHETHER OR NOT THE D2012-109 BRACKET IS BEING REMOVED, ENSURE BOTH SCREWS ARE RE-INSTALLED.

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**FIGURE 2: D350-561-141/-143 INSTALLATIONS**

### 3.0 INSTALLATION

- 1) INSTALL D3629-1 BRACKET AND D3635-1 GASKET USING EXISTING SCREWS ON WINDOW. IT IS ACCEPTABLE TO SUBSTITUTE SCREWS WITH LONGER SCREWS OF SAME TYPE.
- 2) INSTALL D3646-1 ARM PER SECTION A-A OF D350-561 REV. C.  
**NOTE:** D3646-1 REPLACES D2012-101.
- 3) INSTALL D2012-105 ARM PER DETAIL C OF D350-561 REV. C.
- 4) INSTALL D3646-3 ARM. **NOTE:** D3646-3 REPLACES D2012-103.
- 5) ATTACH D3646-1 ARM AND D2012-105 ARM TO D3646-3 ARM USING MS21919WDG7 CLAMPS.
- 6) MOUNT D2011-101 MIRROR ONTO D2012-103 ARM.
- 7) IF INSTALLING THE D350-561-143 KIT, INSTALL D350-561-045 MIRROR KIT PER FIGURE 5 OF DSI 9379.

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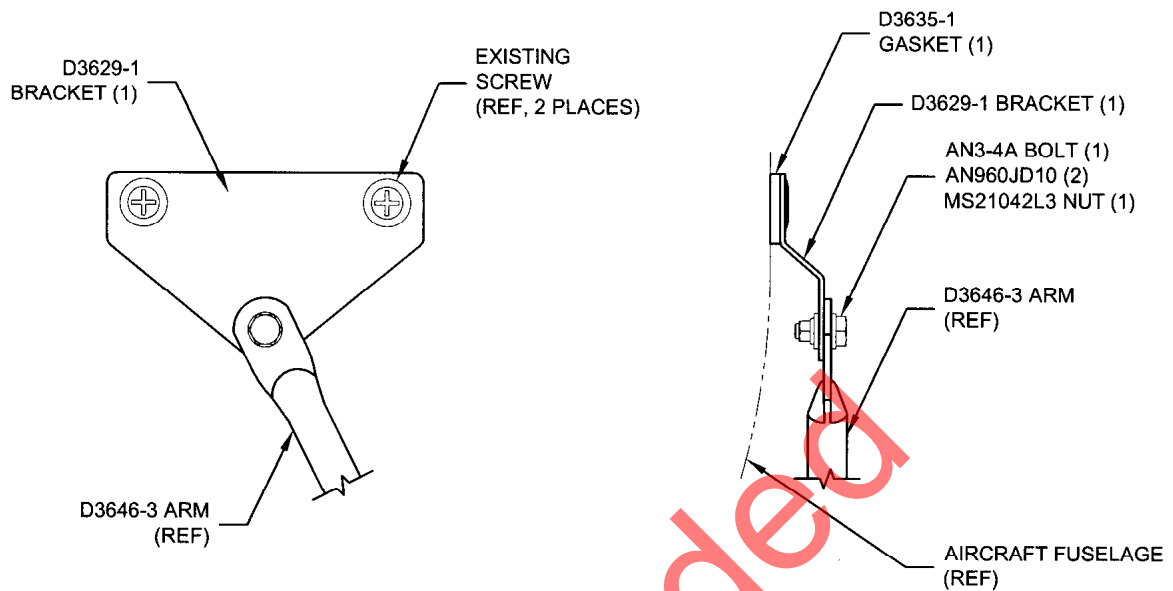
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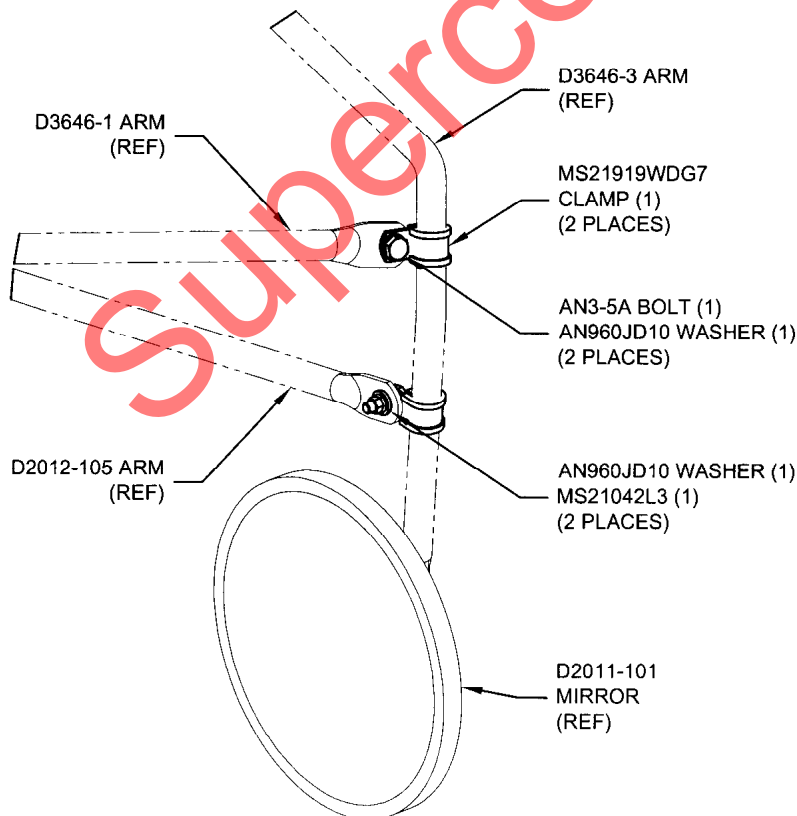
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**FIGURE 3: D3629-1 BRACKET/D3646-3 ARM INSTALLATION**



**FIGURE 4: MS21919WDG7 CLAMP INSTALLATION**

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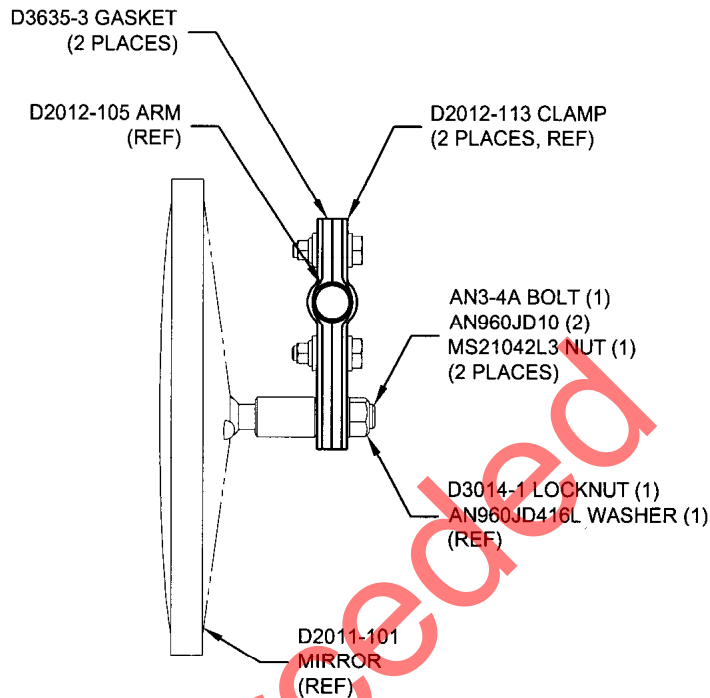
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**FIGURE 5: D350-561-045 INSTALLATION**

#### 4.0 WEIGHT AND BALANCE

The following is the weight and balance information for the **D350-561-141 Single Mirror Kit** and the **D350-561-143 Dual Mirror Kit**.

Installation	Weight	LATERAL		LONGITUDINAL	
		Arm	Moment	Arm	Moment
D350-561-141 Single Mirror Installation	2.5 lb 1.1 kg	+36.1 in +0.92 m	+90.3 in-lb +1.0 m-k-g	9.0 in 0.23 m	22.5 in-lb 0.25 m-k-g
D350-561-143 Dual Mirror Installation	3.2 lb 1.5 kg	+36.1 in +0.92 m	+115.5 in-lb +1.4 m-k-g	8.8 in 0.22 m	28.2 in-lb 0.33 m-k-g

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